



## National Audubon Society LEED-CI Credit 1.2 – Lighting Controls Narrative

The National Audubon Society offices take up the entire seventh floor of the building, with windows on all sides. Within fifteen feet (15') of the windows are two types of regularly occupied spaces: open office area and enclosed offices.

A Lutron EcoSystem daylight harvesting system has been specified for all of these spaces, controlling all ceiling mounted luminaires in the open office space that fall within 20' or more of the perimeter and all enclosed offices that fall within the 15' perimeter. The components of the system include the following:

- (6) EcoSystem Daylight Sensors integrated into Type A-3 luminaires at various locations within the open office area
- (55) Two-lamp EcoSystem Dimming Ballasts incorporated into Type A and A-3 luminaires
- (2) one-lamp EcoSystem Dimming Ballasts incorporated into Type A-1 luminaires
- (2) EcoSystem Bus Power Supplies
- (1) EcoSystem Handheld Programmer
- (10) Fluorescent Dimming Ballast Modules, 1 for each office with Type B-2 downlights

This system will regulate the light output of Type A, A-1, A-3 and B-2 luminaires to reduce energy consumption during times of sufficient daylight contribution to the interior space. The system will be programmed to maintain a light level of not less than 25fc.

In addition, the enclosed offices will have occupancy sensors programmed to allow the lighting to be turned on manually but turned off automatically no more than 30 minutes after the office is vacated. This will minimize the use of lighting in these offices to the times when they are being used continuously and when the occupant feels electric lighting is necessary.

We have designated daylight control zones for these areas, as shown on the attached plan. However, with the flexibility of the Lutron EcoSystem, these zones may be reassigned once the full benefit of the daylighting has been evaluated.